3.7.5 Typical Mercantile & Service (Retail) Building (1)		
	Retail	Retail
	(>= 25,000 SF)	(<25,000 SF)
Stock Floor Area (billion SF)	5.88	6.53
Floor-Area Weighted Averages		
Building Area (thousand SF)	80	5.3 - 6.4
Floors	2	1
Shell		
Percent Glass	15	15
Window R-Value	1.39 - 1.71	1.24 - 1.71
Window Shading Coefficient	0.74 - 0.79	0.85
Wall R-Value	3.1 - 6.4	2.5 - 6.6
Roof R-Value	10.6 - 14.0	9.5 - 13.2
Wall Material	masonry	masonry
Roof Material	built-up	built-up
Occupancy		
Average Occupancy (SF/person)	390 - 460	1,635 - 2,085
Weekday Hours (hrs/day)	12	12
Weekend Hours (hrs/day)	5	4
Equipment		
Average Power Density (W/SF)	0.40	0.50
Full Equipment Hours (hrs/year)	4,750 - 5,850	3,480
Lighting		
Average Power Density (W/SF)	1.6 - 2.1	1.7 - 2.2
Full Lighting Hours (hrs/year)	4,500 - 5,245	3,786 - 4,412
System and Plant		
System and Distribution Type	Constant Volume w/ Reheat	Packaged Single-Zone
	VAV w/ Economizer	Packaged Single-Zone w/ Economizer
Heating Plant	Gas Boiler	Gas Furnace
Cooling Plant	Hermetic Centrifugal Chiller	Direct Expansion
Service Hot Water	Gas Boiler	Gas Water Heater
The physical characteristics, syster	n characteristics, and usage patterns are b	uilding surveys or conclusions from previous studies. ased upon various surveys, studies, engineering
estimates, or engineering judgment		44 = 00
Source(s): LBNL, Commercial Heating and Cooling	Loads Component Analysis, June 1998, Table	11, p. 32.